



# FORESTS AND THEIR MANAGEMENT

## **PROF. ANKUR AWADHIYA**

Department of Madhya Pradesh Forest  
Department IIT Kanpur

**PRE-REQUISITES** : Has cleared 10+2 with science

**INTENDED AUDIENCE** : Officers and staff of Forest departments, Students of Forestry, Wildlife conservation and allied disciplines, Policy makers

**INDUSTRIES APPLICABLE TO** : Tourism, Education, Green energy, Renewable energy/Materials industries

## **COURSE OUTLINE :**

The Science of Forestry and the management of forests has taken front seat as a mechanism of climate change mitigation. It is one of the few very effective measures available for the sequestration of atmospheric carbon. At the same time, management of forests provides access to tourism avenues, major and minor forest produce, food and water security for wildlife and also for people. In this course, we shall discuss the principles of forestry and silviculture. We shall use case studies and examples from India and abroad to understand how forests are planted, managed and harvested for optimising various economic and ecological values derived from forests.

## **ABOUT INSTRUCTOR :**

Prof. Ankur Awadhiya (B. Tech IIT Kanpur 2009, Ph. D IIT Kanpur 2015, AIGNFA IGNTA Dehradun 2016, PGDAWM WII Dehradun 2018) is an IFS officer borne on the Madhya Pradesh cadre. His interests include photography, tourism, research, instrumentation and creative literary pursuits.

## **COURSE PLAN :**

**Week 1:** Introduction

**Week 2:** Basics of silviculture

**Week 3:** Forest soils

**Week 4:** Forest mensuration

**Week 5:** Forest surveying

**Week 6:** Forest protection

**Week 7:** Silvicultural management - I

**Week 8:** Silvicultural management - II

**Week 9:** Logging and yield

**Week 10:** Silvicultural practices

**Week 11:** Newer trends in forestry

**Week 12:** Revision